



National Weather Service

Storm Data and Unusual Weather Phenomena



June 2000

| June 2000 | | | | | | | | | |
|---|------------|----------------------------|---------------------------|--------------------------|----------------------|---------|---------------------|-------|-------------------------|
| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Number of Persons | | Estimated Damage | | Character of Storm |
| | | | | | Killed | Injured | Property | Crops | |
| <u>WISCONSIN, Southeast</u> | | | | | | | | | |
| Green County Countywide | 01 | 0000CST 1000CST | | | 0 | 0 | 100K | | Urban/Sml Stream Fld |
| WIZ063 | Dane 01 | 0000CST 2359CST | | | 0 | 0 | | | Record Rainfall |
| Dane County Mazomanie to Marshall | 01 | 0100CST 0900CST | | | 0 | 0 | 25K | | Urban/Sml Stream Fld |
| Dane County Madison | 01 | 0200CST | | | 0 | 0 | | | Hail (1.00) |
| Dane County Madison | 01 | 0200CST | | | 0 | 0 | 5K | | Lightning |
| Iowa County North Portion | 01 | 0200CST 0630CST | | | 0 | 0 | 583K | 2M | Flash Flood |
| Jefferson County Ft Atkinson | 01 | 0430CST | | | 0 | 0 | 30K | | Lightning |
| Jefferson County Lake Mills | 01 | 0850CST | | | 0 | 0 | | | Hail (0.75) |
| Marquette County Briggsville to Westfield | 01 | 1530CST 1830CST | | | 0 | 0 | 10K | | Urban/Sml Stream Fld |
| Marquette County Briggsville | 01 | 1547CST 1600CST | | | 0 | 0 | 40K | | Thunderstorm Wind (G70) |
| Marquette County Packwaukee | 01 | 1600CST | | | 0 | 0 | | | Funnel Cloud |
| Sauk County Reedsburg to Baraboo | 01 | 1604CST 1610CST | | | 0 | 0 | 5K | | Thunderstorm Wind (G56) |
| Sauk County Countywide | 01 | 1615CST 2000CST | | | 0 | 0 | 9.3M | 3.5M | Flash Flood |
| Columbia County Countywide | 01 | 1620CST 2000CST | | | 0 | 0 | 96.8K | 1.5M | Flash Flood |
| Columbia County Portage to 7 NE Portage | 01 | 1620CST 1630CST | | | 0 | 0 | 30K | | Thunderstorm Wind |
| Green Lake County Kingston | 01 | 1633CST | | | 0 | 0 | | | Hail (0.75) |
| Iowa County 3 SE Highland | 01 | 1636CST | | | 0 | 0 | | | Funnel Cloud |
| Columbia County Lodi | 01 | 1640CST | | | 0 | 0 | | | Hail (1.25) |
| Sauk County Prairie Du Sac | 01 | 1640CST | | | 0 | 0 | 10K | | Thunderstorm Wind |
| Dodge County Fox Lake | 01 | 1644CST | | | 0 | 0 | 2K | | Hail (1.50) |
| Green Lake County Markesan | 01 | 1655CST | | | 0 | 0 | 2K | | Thunderstorm Wind |



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| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Killed | Number of Persons Injured | Estimated Damage Property | Estimated Damage Crops | Character of Storm |
|--|------|----------------------------|---------------------------|--------------------------|--------|---------------------------------|---------------------------------|------------------------------|-------------------------|
| <u>WISCONSIN, Southeast</u> | | | | | | | | | |
| Fond Du Lac County | | | | | | | | | |
| Fond Du Lac | 01 | 1700CST 1900CST | | | 0 | 0 | 3K | | Urban/Sml Stream Fld |
| Iowa County | | | | | | | | | |
| North Portion | 01 | 1700CST 2000CST | | | 0 | 0 | 200K | 1.6M | Flash Flood |
| Lafayette County | | | | | | | | | |
| 5 E Belmont | 01 | 1700CST | | | 0 | 0 | 15K | | Thunderstorm Wind |
| Lafayette County | | | | | | | | | |
| 1.9 NNW Calamine to 1.8 N Calamine | 01 | 1702CST 1703CST | 0.5 | 75 | 0 | 0 | 100K | | Tornado (F1) |
| Dodge County | | | | | | | | | |
| 4 S Horicon to 4.5 SE Herman Center | 01 | 1706CST 1725CST | 14.9 | 125 | 0 | 0 | 1.1M | 400K | Tornado (F2) |
| Dodge County | | | | | | | | | |
| Horicon to 5 S Mayville | 01 | 1709CST 1716CST | | | 0 | 0 | 3K | | Hail (1.25) |
| Fond Du Lac County | | | | | | | | | |
| 1 SE Oak Center | 01 | 1715CST | 0.1 | 25 | 0 | 0 | | 5K | Tornado (F0) |
| Iowa County | | | | | | | | | |
| 2 E Barneveld | 01 | 1717CST | | | 0 | 0 | | | Funnel Cloud |
| Jefferson County | | | | | | | | | |
| 2 S Lake Mills | 01 | 1717CST | | | 0 | 0 | | | Funnel Cloud |
| Fond Du Lac County | | | | | | | | | |
| 3 W Fond Du Lac | 01 | 1720CST | | | 0 | 0 | | | Hail (0.75) |
| Washington County | | | | | | | | | |
| 4 SW Allenton to 2.4 NW St Lawrence | 01 | 1725CST 1728CST | 1.5 | 50 | 0 | 0 | | 100K | Tornado (F0) |
| Dane County | | | | | | | | | |
| Madison to Cottage Grove | 01 | 1732CST 1741CST | | | 0 | 0 | 200K | | Thunderstorm Wind (G61) |
| Washington County | | | | | | | | | |
| Germantown | 01 | 1754CST | | | 0 | 0 | | | Hail (1.00) |
| Dodge County | | | | | | | | | |
| 1 S Rubicon | 01 | 1800CST 2000CST | | | 0 | 0 | 15K | | Flash Flood |
| Fond Du Lac County | | | | | | | | | |
| Waupun | 01 | 1800CST 2000CST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| Green County | | | | | | | | | |
| Countywide | 01 | 1800CST 1825CST | | | 0 | 0 | 20K | | Thunderstorm Wind |
| Lafayette County | | | | | | | | | |
| South Wayne | 01 | 1800CST | | | 0 | 0 | 3K | | Lightning |
| Dane County | | | | | | | | | |
| Countywide | 01 | 1805CST 2100CST | | | 0 | 0 | 6.0M | 5M | Flash Flood |
| Green County | | | | | | | | | |
| Countywide | 01 | 1805CST 2100CST | | | 0 | 0 | 400K | 1.2M | Flash Flood |
| Dane County | | | | | | | | | |
| Monona | 01 | 1810CST | | | 0 | 0 | 20K | | Thunderstorm Wind |



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| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Number of Persons Killed Injured | Estimated Damage Property Crops | Character of Storm |
|---|------|----------------------------|---------------------------|--------------------------|--|---------------------------------------|-------------------------|
| <u>WISCONSIN, Southeast</u> | | | | | | | |
| Jefferson County Lake Mills | 01 | 1813CST | | | 0 0 | 2K | Thunderstorm Wind (G52) |
| Jefferson County Lake Mills | 01 | 1815CST | | | 0 0 | 3K | Lightning |
| Rock County Milton | 01 | 1815CST | | | 0 0 | 2K | Thunderstorm Wind |
| Sheboygan County Beechwood to Cedar Grove | 01 | 1815CST 1830CST | | | 0 0 | 5K | Thunderstorm Wind |
| Jefferson County 5 SW Ft Atkinson | 01 | 1820CST | | | 0 0 | 3K | Thunderstorm Wind |
| Waukesha County Genesee | 01 | 1834CST | | | 0 0 | 2K | Thunderstorm Wind |
| Milwaukee County Milwaukee | 01 | 1845CST | | | 0 0 | | Hail (0.75) |
| Rock County Countywide | 01 | 1845CST | | | 0 0 | 300K 4M | Flash Flood |
| Rock County Evansville | 01 | 1846CST | | | 0 0 | 3K | Thunderstorm Wind |
| Jefferson County Countywide | 01 | 1900CST 2200CST | | | 0 0 | 150K 1M | Flash Flood |
| Kenosha County Countywide | 01 | 1900CST 2300CST | | | 0 0 | 1.5M 4M | Flash Flood |
| Milwaukee County Fox Pt | 01 | 1900CST 2100CST | | | 0 0 | 50K | Flash Flood |
| Washington County 5 S Hartford | 01 | 1900CST 2100CST | | | 0 0 | 25K | Flash Flood |
| Walworth County Genoa City | 01 | 1930CST | | | 0 0 | 50K | Thunderstorm Wind |

One would be hard pressed to find another day like June 1, 2000 in terms of depth and range of severe, convective weather events across south-central and southeast Wisconsin. Tornadoes, widespread and localized flash flooding, funnel clouds, damaging hurricane-force, straight-line winds associated with a wicked squall-line, large hail stones, urban/small flooding, lightning strikes, and significant mainstem river flooding were reported. As in the preceding weeks, a quasi-stationary front over northern Illinois served as a boundary for warm, moist, unstable air to be pulled north over the cooler air over Wisconsin. Leftover flooding (from the evening of May 31, 2000) and isolated severe thunderstorms were noted during the pre-dawn to mid morning hours. However a powerful squall-line formed along the Mississippi River in the La Crosse area by mid-afternoon, and pushed into south-central Wisconsin by late afternoon with "all hell breaking loose." After the squall line moved into the southeast part of the state, it was followed by widespread showers and thunderstorms that triggered additional flooding problems. The east/southeast moving storms would not end until around 2300CST. As a result of the wild weather events, a State of Emergency was declared in Columbia, Dane, Dodge, Green, Iowa, Lafayette, Rock, and Sauk counties. Numerous power lines were knocked down by felled trees or wind gusts outright, resulting in the loss of power to 20,000 customers. Significant storm and flooding events will be summarized below county by county.

Marquette Co: 6 homes were damaged and trees uprooted by powerful winds estimated at 70 knots (80 mph) in Briggsville. Urban flooding in Briggsville was also noted with water 6 inches deep

Green Lake Co: powerful winds knocked down trees in both Kingston and Markesan, and large hail was noted.

Fond du Lac Co: a brief, F0 tornado spun up in the rural area southeast of Oak Center. Only some hay crop was damaged. Elsewhere, urban flooding and large hail was noted. Between 1700 and 1900CST, 1.71 inches of rain fell in the city of Fond du Lac



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|----------|------|--------------------|-------------------|------------------|-----------|---------|-----------|-------|--------------------|
| | | Local/ Standard | Length (Miles) | Width (Yards) | Killed | Injured | Property | Crops | |

WISCONSIN, Southeast

Sheboygan Co: powerful thunderstorm winds pushed over trees in the southern portions.

Sauk Co: powerful winds blew over large trees in the Reedsburg to Baraboo area as well as around Prairie du Sac. Then the heavens opened up as 3.75 inches of rain fell between 1600 and 1645CST in North Freedom. There were other reports of up to 6 inches of rain falling in 2 hours. Flash flooding developed along Narrows Creek which left mud marks 8 feet high on some buildings. So much water came down Narrows Creek that it temporarily backed up the water of the Baraboo River! The Baraboo River flooded homes, and other creeks tore pieces of Highways 12 and 113 away. Road beds and parking lots were ripped away on the south side of Baraboo. Some railroad beds and many drainage culverts across the county were washed away. Severe erosion was noted on the cliffs overlooking the north shore of Devils Lake, whose water level rose about 3 feet due to runoff. All together, 153 residential homes were damaged, 17 businesses reported water damage, and 220,000 acres of farm land sustained water or erosion damage. The flooding was more widespread and worse than the 1993 flood, based on newspaper accounts. The Baraboo River near Baraboo crested at 22.04 feet on June 2nd, or 6.04 feet above flood stage (moderate flooding), after rising above flood stage at 0400CST on the 1st. Upriver at Rock Springs, the flood stage of 18.5 feet was exceeded at 1630CST on the 1st, and the crest was 21.71 feet at 0750CST on the 2nd (major flooding).

Columbia Co: powerful winds uprooted large trees in and around Portage. In addition, a garage was damaged, several vehicles were blown into roadside ditches quickly reached a depth of 1 to 3 feet over portions of Highway 12 around Portage, and on Highway 73 in the southeast corner where residents were evacuated. Gravel road shoulder and culvert washouts were reported on some roads. Agricultural crop damage and soil erosion were also noted

Dodge Co: the main event was a long-lived tornado that spun up just south of Highway S about 4 miles south of Horicon, just southwest of the intersection of Highways S and E. Eyewitness accounts suggested that this tornado was a rain-wrapped and multi-vortex as it hopped-skipped east/southeast through the heart of the village of Iron Ridge (F2 at this time, 140-50 mph wind), before exiting the county on Highway S. All together, this F2 tornado destroyed 6 homes, and damaged 26 other homes, 6 businesses, 2 barns, 1 silo, semi-tractor trailer, a green house, and many cars. It destroyed 5 agricultural buildings. No one was injured or killed by this early-warned tornado. Five other barns were damaged in the county by the powerful straight-line winds associated with the squall-line. In addition, large hail up to walnut size was noted. Flash flooding was reported in the southeast part of the county when 1.5 inches of rain fell in a short period of time. Soil erosion and shoulder washouts were reported near the intersection of Highways 60 and P, south of Rubicon.

Washington Co: the Dodge County tornado continued into Washington County for about 1.5 miles near and along Highway S. It damaged a barn and silo and uprooted more trees before dissipating. The tornado in this county had winds estimated at 80 mph, or F1 strength. No one was injured or killed. Flash flooding was reported south of Hartford where soil erosion and gravel shoulder washouts occurred due to swirling flood waters. Otherwise, large hail and tree-uprooting winds were noted in Germantown

Iowa Co: Pre-dawn flash flooding occurred across the northern portion of Iowa County due to leftover thunderstorms that hit the county on May 31st. Morrey Creek overflowed its banks in the village of Avoca, damaging 35 homes and eroding surrounding landscaping. In Dodge State Park near Dodgeville, 50 miles of trails were closed after several bridges were washed out by flooding waters. In addition, gravel road shoulder and culvert washouts were noted on several roads. Another round of flash flooding occurred across the northern portion of the county thanks to torrential rains of 2 to 4 inches in 1 to 2 hours in the late afternoon and early evening hours. An estimated 10,250 acres sustained major soil erosion and many roads had water depths of 1 to 3 feet as water currents washed away gravel shoulders. Crop damage was extensive.

Dane Co: pre-dawn severe storms dumped large hail and knocked down many tree limbs in the Madison area. During the same storm, lightning struck a west-side Madison hotel, resulting in damage to its electrical system. Urban/small stream flooding was noted in the pre-dawn hours across the northern part of the county with water covering low spots on Highways 12, 73, and 113. A couple streets were flooded and closed in the village of Mazomanie due to high water levels on the Black Earth Creek. Sandbagging was needed to protect about a dozen homes in Mazomanie. Powerful thunderstorm winds uprooted trees which then damaged many vehicles in the Madison to Cottage Grove area during the evening. At least 60 trees blocked various roads in the Madison area, and 18 power lines were reported down. Roof tiles were also removed from some homes as the winds gusted to an estimated 70 knots (80 mph). An expensive gazebo was destroyed by uprooted trees in the city of Monona. Shortly thereafter, flash-flood producing rains hit much of the county. Madison streets were rivers as 27 cars were stranded or pushed around. It was the worst flooding the city during the past 15 years. Sandbagging commenced in Monona to protect homes. Many roads across the county were damaged by flood waters, with most damage in the northwest part of the county. In the village of Oregon, 1.90 inches of rain was measured in just 45 minutes ending at 1830CST. Additional soil erosion and ponding of water resulted in extensive, severe crop damage across the county. Collectively, wind and/or flood damage occurred to at least 646 residential homes in the county, and to 3 businesses. Probably 30,000 acres of farm land had significant crop damage. A new daily rainfall record of 3.46 inches was set at Madison's Traux Field, breaking the old record of 1.33 inches set back in 1892. Runoff from this rainfall eventually pushed Lake Mendota to 31.5 inches above its normal summer level on June 5th, which was the highest reading since the beginning of records in 1916. In response to the high lake levels in Dane county, many nearby homes were sandbagged, and public beach and boat docks were closed.



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|----------|------|----------------------------|---------------------------|--------------------------|--|---------------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--|---------------------------------------|--------------------|

WISCONSIN, Southeast

Jefferson Co: an early morning, severe thunderstorm dumped large hail on Lake Mills. Another storm's lightning struck a Ft. Atkinson church steeple, resulting in structural and water damage. The evening storms generated damaging winds that uprooted large trees. Lightning started a minor fire on a Lake Mills home's roof. Heavy rains of 2 to 3 inches during the evening generated scattered flash flooding across the county, mostly in the form of gravel shoulder washouts of several roads. Roads near the Rock River in Ft. Atkinson were closed due to the swirling waters. Soil erosion and crop washouts were noted across the county. Rainfall totals of 2.39 inches and 2.72 inches were noted in Ft. Atkinson and Jefferson, respectively. The heavy rains forced the Crawfish River at Milford to exceed the flood stage of 7 feet on June 2nd, and crest at 8.38 feet on June 7th (moderate flooding).

Waukesha Co: powerful thunderstorm winds uprooted trees in the Genesee area.

Milwaukee Co: large hail was reported in the city of Milwaukee. Torrential rains of around 2 inches in 1 to 2 hours in the city of Fox Point resulted in flash flooding in that city. Landscaping damage and some road damage was noted due to swift water currents.

Lafayette Co: a brief tornado occurred north of Calamine. It damaged 2 large pole sheds and uprooted many trees along its short path. Several calves were injured as they were pushed across the road. Eyewitness accounts suggest this F1 tornado (winds about 100 mph) was rain-wrapped. Otherwise, the squall line's powerful winds uprooted trees and over-turned a car-trailer combo east of Belmont. Similar to other counties, flash-flood producing rains followed the winds. Across the county, all mainstem river, stream, creeks, and other low spots experienced flash flooding. Bridge under-cutting was noted on Highway K outside of Gratiot, on Highway H in Jenkynsville, and Highway G in the northwest corner. Moderate to severe damage to road shoulders and washed out driveways was noted countywide. Twenty-one roads were closed at one time or another. At least 75 residential homes and 5 businesses reported flood damage, while 2 private utility buildings suffered damage. Two farm buildings were destroyed by the flood waters, and 15 others damaged. About 7000 acres of farm land were severely damaged. The Pecatonica River in Darlington closed down Highway 23 from the south. The river at this location exceeded the flood stage of 11 feet late on May 31st, and crested at 15.77 feet at 0730CST on June 1st (moderate flooding). Near South Wayne, lightning started a minor house fire.

Green Co: pre-dawn and morning urban/small stream flooding occurred countywide due to rainfall that started on May 31st. The rains ended by sunrise. Up to 5 inches of rain fell overnight in the southwest part of the county. Many streams were 5 to 10 feet wide, resulting in water covering low-lying roads to a depth of 1 foot. Several cars were swept into roadside ditches. Urban basements had minor flood damage. Additional heavy rains followed the evening squall line which resulted in a new round of flash flooding across much of the county. Eight miles of the 24 mile long Sugar River State Trail were closed from near Monticello to near Albany due to washed out bridges and undercut paths. Five homes sustained significant damage. Numerous roads were closed due to high water levels and dozens of vehicles were stranded or pushed into roadside ditches. Gravel road shoulder and culvert washouts were noted countywide. Water levels in the city of Brodhead were the highest in many years. Legion Park in Albany was closed after the adjacent Sugar River exceeded flood stage. Moderate to severe soil erosion was noted to 5000 acres of farm fields. The Pecatonica River at Martintown exceeded the flood stage of 13.5 feet at 0000CST on June 1st, and crested at 18.51 feet on June 4th (moderate flooding).

Rock Co: powerful thunderstorm winds downed large trees in scattered parts of the county. However, flash-flood producing rains hit during the evening hours. Most mainstem and nearly all streams and creeks jumped their banks. Nine roads along Lake Koshkonong sustained washout damage due to swift water currents. At least 100 homes outside of the major cities sustained damage. Many Beloit and Janesville homes in low spots reported landscape flood damage as well as basement flooding. Flash flood waters also tore through farm fields, leaving moderate to severe soil erosion and crop damage to at least 20,000 acres. Flood waters from the Sugar River in the southwest corner of the county closed roads west of the village of Avon.

Walworth Co: no damage reports.

Kenosha Co: several rounds of heavy rains during the evening on top of previously saturated soils and high river levels resulted in flash flooding scattered across the county. Several roads had fast-flowing waters 1 to 3 feet deep which resulted in shoulder washouts and cars being swept into roadside ditches. At least 75 homes sustained significant flood damage in the Wheatland, Salem, and Silver Lake areas. About 47,000 acres of farm land had serious soil erosion, and washed or flooded crops. Due to rainfall totals during the evening of 2 to 3 inches, the Fox River at New Munster continued to rise and would eventually crest at 12.76 feet early on June 3rd, or 2.76 feet above flood stage. Three homes Silver Lake homes were evacuated.

Lafayette County

Argyle

10 1450CST 0 0 Funnel Cloud

Rock County

Janesville

10 1500CST 0 0 Funnel Cloud

Green County

Brodhead

11 1514CST 0 0 Funnel Cloud

Scattered convection both days resulted in isolated funnel cloud reports.



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|
|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

WISCONSIN, Southeast

| | | | | | | | | | |
|-----------------------|----|--------------------|--|--|---|---|------|------|----------------------|
| Dane County | | | | | | | | | |
| Countywide | 12 | 1000CST 1400CST | | | 0 | 0 | 30K | | Urban/Sml Stream Fld |
| Racine County | | | | | | | | | |
| Sturtevant | 12 | 1100CST 1300CST | | | 0 | 0 | 5K | | Urban/Sml Stream Fld |
| Kenosha County | | | | | | | | | |
| Countywide | 12 | 1130CST 1600CST | | | 0 | 0 | 4.1M | 8.4M | Flash Flood |

Several rounds of thunderstorms moved west to east across the same locations and dumped enough rain to cause flash flooding in the city of Kenosha (Kenosha County). Newspaper accounts indicated that 3 to 6 inches of rain fell across Kenosha County, with a measured 3.84 inches at the Kenosha Airport. Roughly 100 roads were closed due to water depths of 2 to 5 feet in low spots, especially in the cities of Kenosha, Somers, and Bristol. The flooding in the city of Kenosha was described as the worst in 15 years, and numerous homes and businesses reported varying degrees of damage to contents, and landscaping. Overall, hundreds of basements and numerous municipal pools were flooded. Many roads sustained gravel shoulder washouts, and many vehicles were floating the swirling flood waters. Motorists were rescued from at least 130 vehicles. About a dozen homes were evacuated in the cities of Pleasant Prairie and Somers. Near Powers Lakes an earthen berm gave way, allowing water to flood several roads. Needless to say, extensive crop damage in the millions of dollars was noted as flood waters flooded low spots, eroded slopes, or simply washed crops away.

Elsewhere, urban/small stream flooding occurred n and near the city of Sturtevant (Racine Co.), and at scattered locations across Dane County. Two to 4 inches of rain fell over parts of Dane County, resulting in the evacuation of at least 2 dozen homes, and the closure of about 100 intersections in Madison and surrounding cities. Minor flood damage was noted in some basements, and officials had to clean up flood debris from low spots and intersections. In and around Sturtevant, water was reported to be 6 inches deep on roads, and roadside ditches were full.

| | | | | | | | | | |
|----------------------------|----|--------------------|--|--|---|---|------|------|----------------------|
| Walworth County | | | | | | | | | |
| Walworth to Fontana | 13 | 1530CST 1700CST | | | 0 | 0 | 850K | 500K | Flash Flood |
| Dane County | | | | | | | | | |
| Central Portion | 13 | 1610CST 1930CST | | | 0 | 0 | 1.3M | 1M | Flash Flood |
| Iowa County | | | | | | | | | |
| Avoca | 13 | 1700CST 1900CST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| Walworth County | | | | | | | | | |
| Lake Geneva to Genoa City | 13 | 1730CST 2200CST | | | 0 | 4 | 350K | 300K | Flash Flood |
| Kenosha County | | | | | | | | | |
| Powers Lake | 13 | 1740CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
| Walworth County | | | | | | | | | |
| La Grange to Elkhorn | 13 | 1745CST 1800CST | | | 0 | 0 | 25K | | Thunderstorm Wind |
| Kenosha County | | | | | | | | | |
| Powers Lake to Silver Lake | 13 | 1800CST 1810CST | | | 0 | 0 | 5K | | Thunderstorm Wind |
| Dane County | | | | | | | | | |
| Madison Truax Arpt | 14 | 0600CST | | | 0 | 0 | | | Heavy Rain |



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| | | Local/ Standard | Length (Miles) | Width (Yards) | Killed | Persons Injured | Property | Damage Crops | |

WISCONSIN, Southeast

Sauk County

Baraboo

14 2359CST 0 0 Heavy Rain

Flash flooding and scattered severe thunderstorms struck parts of south-central and southeast Wisconsin during the afternoon and evening hours. Several clusters of showers and thunderstorms moved east/northeast at 35 to 40 mph across the area. Synoptically, a warm front stalled over northern Illinois with an axis of instability extending north into southern Wisconsin. A short-wave trough aloft moved east through the region. South of the surface front the dewpoints were in the 70s. Here is a break down by county

Walworth Co: this county was hit hard with two periods of heavy rains which resulted in flash flooding. Lake Petite, just south of Fontana, overflowed into a retention basin near a residential subdivision. Residents were evacuated in the late afternoon as the retention basin filled up. Nearby in the village of Walworth, hundreds of residents were evacuated after water rose to a depth of 4 feet on local roads. Washouts of gravel road shoulders were noted around the villages of Walworth and Fontana, as well as agricultural land erosion and crop damage. During the evening hours the heavy rains created flash flood conditions over the southeast part of the county from around Lake Geneva to Genoa City. Some residents were evacuated and additional washouts of gravel shoulders were reported. The Nippersink Creek which flows through Genoa City reach a depth of 10 feet, when normally it is only 1 foot deep! All together in Walworth County, 4 people were injured by flood debris, 10 people were left homeless, 57 homes and 4 businesses sustained flood damage, and 5000 acres of agricultural land were severely damaged to the tune of \$800,000. Roughly half of the property damage was attributed to losses in the public sector and the other half in the private/business sector. Otherwise, powerful thunderstorm winds uprooted trees from La Grange to Elkhorn, and blew over a semi-tractor trailer unit on Interstate 43 near Elkhorn.

Dane Co: heavy rains hit the Madison and Middleton areas once again, resulting in rivers and streams quickly exceeding flood stage. Between 1500 and 1600CST, the city of Middleton picked up 1.90 inches of rain. As a result, mudslides occurred on High Point Road, where the mud was 4 inches deep. Flood damage to landscaping of nearby homes was also noted, as well as gravel shoulder washouts on nearby roads. The Yahara River running through the Madison area was reported to be rising quickly, and was 10 feet beyond its normal bank on both sides. Nearby homes once again suffered another round of landscape erosion and basement flooding, and sandbagging continued. As was the case earlier in June, agricultural land surrounding the Madison metro area suffered another round of moderate to severe soil erosion and associated crop damage.

Kenosha Co: 2 rounds of powerful thunderstorm winds uprooted large trees in the southwest part of the county.

The heavy rain event listed above for Dane County represents the 15.27 inches of rain that fell at Madison Truax Field (Dane Co.) the past 30 days ending at 0600CST on June 14th. This was the greatest any 30-day total in the past 50 years. On the following day, June 15th, Lake Mendota and Lake Monona rose to their 2nd highest levels ever, 30 and 27 inches above normal summer levels, respectively. The heavy rain event listed above for Sauk County represents a 15 inch rainfall total for the period of June 1-14 somewhere in the county. The exact location wasn't specified in a newspaper article. It may be a Wisconsin state record for a 2-week period.



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|----------|------|----------------------------|---------------------------|--------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--------------------|

WISCONSIN, Southeast

WIZ052-057>058- Sheboygan - Columbia - Dodge - Iowa - Dane - Lafayette - Green

062>063-067>068

| | | | | | |
|----|--------------------|---|---|-----|--------------|
| 16 | 0000CST 0700CST | 0 | 0 | 29K | Strong Winds |
|----|--------------------|---|---|-----|--------------|

Low pressure passing northwest to north of the southern part of Wisconsin set up a strong gradient wind situation across southern Wisconsin. South to southwest surface winds frequently gusted to 30 to 39 knots (35 to 45 mph) for many hours, resulting in numerous reports of downed tree limbs and in some cases, small trees. Several road barricade were knocked over. The Milwaukee/Sullivan (east-central Jefferson Co.) WSR-88D Doppler radar VAD wind profile indicated 60 knot (69 mph) winds 2 thousand feet above the ground during this strong wind episode.

Dodge County

5 NW Fox Lake

| | | | | |
|----|---------|---|---|-------------|
| 28 | 1720CST | 0 | 0 | Hail (0.75) |
|----|---------|---|---|-------------|

An isolated severe thunderstorm produced large hail stones. A cooler, northwest flow aloft existed.

Jefferson County

2 SE Ft Atkinson to
3 SW Ft Atkinson

| | | | | |
|----|--------------------|---|---|-------------|
| 30 | 1338CST 1350CST | 0 | 0 | Hail (0.88) |
|----|--------------------|---|---|-------------|

Rock County

5 E Milton

| | | | | |
|----|---------|---|---|-------------|
| 30 | 1445CST | 0 | 0 | Hail (0.75) |
|----|---------|---|---|-------------|

Walworth County

Tibbet

| | | | | |
|----|---------|---|---|-------------|
| 30 | 1450CST | 0 | 0 | Hail (0.75) |
|----|---------|---|---|-------------|

Walworth County

4 NNW Darien

| | | | | |
|----|---------|---|---|-------------|
| 30 | 1615CST | 0 | 0 | Hail (0.75) |
|----|---------|---|---|-------------|

Walworth County

Darien

| | | | | |
|----|---------|---|---|-------------|
| 30 | 1635CST | 0 | 0 | Hail (1.00) |
|----|---------|---|---|-------------|

Severe thunderstorms developed along an east-west orientated outflow boundary associated with earlier convection which moved east along the Illinois/Wisconsin border. The genesis region, initially over southwest Jefferson County, eventually shifted to west-central Walworth County. New cells displayed a back-building tendency toward the western Walworth County line. Slow movement of the storms led to torrential downpours of 1 to 2 inches in a 1 hour period. There were reports of standing water in low spots on farms in the western part of Walworth County. Otherwise, large hail stones were the only severe weather event.